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TC 1700 110> EZQUERRO SAENZ, Ignacio Jose LASARTE SAGASTIBELZA, Juan Jose PRIETO VALTUEÑA, Jesus BORRAS CUESTA, Francisco <120> TGF β b1-inhibitor peptides <130> U-013446-9 <140> 09/831,253 <141> 2001-05-07 <150> PCT/ES99/00375 <151> 1999-11-23 RECEIVED <150> P9802465 <151> 1998-11-24 JUN 0 6 2003 >160> 10 TECH CENTER 1600/2900 <210> SEQ ID NO: 1 <211> 15 <212> Peptide <213> Artificial sequence <220> Domain <223> Derived from human TGB β 1 position 319-333 <400> His Ala Asn Phe Cys Leu Gly Pro Cys Pro Tyr Ile Trp Ser Leu 10 <210> SEQ ID NO: 2 <211> 14 <212> Peptide <213> Artificial sequence <220> Domain <223> Derived from human TGBβ1 position 322-335 <400> Phe Cys Leu Gly Pro Cys Pro Tyr Ile Trp Ser Leu Asp Thr 10 <210> SEQ ID NO: 3 <211> 12 <212> Peptide <213> Artificial sequence <220> Domain <223> Derived from human TGB β 1 type III receptor position 731-742 <400> Thr Ser Leu Asp Ala Thr Met Ile Trp Thr Met Met

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<210> SEQ ID NO: 27
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<213> Synthetic peptide from human TGB\beta1
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<210> SEQ ID NO: 28
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<213> Synthetic peptide from human TGB$1
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<210> SEQ ID NO: 33
<211> .14
<212> Peptide
<213> Synthetic peptide from human TGB\beta1
<220> Domain: 368-381
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<212> Peptide
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<220> Domain: 372-385
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Leu Ala Leu Tyr
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<400> Gly Arg Lys Pro Lys Val Glu Gln Leu Ser Asn Met Ile Val

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  <210> SEQ ID NO: 41
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  <400> Asp Asp Asp Gly Pro Cys Pro Tyr Ile Trp Ser Leu Asp Thr
  <210> SEQ ID NO: 42
  <211> 14
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  <213> Synthetic peptide modified from human TGB\beta1
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  <210> SEQ ID NO: 44
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  <213> Synthetic peptide modified from human TGBβ1
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  <210> SEQ ID NO: 45
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  <212> Peptide
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  <400> Asp Gly Pro Cys Pro Tyr Ile Trp Ser Asp
  <210> SEQ ID NO: 46
  <211> 12
  <212> Peptide
  <213> Synthetic peptide from rat TGB$\beta$1 type III receptor
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<210> SEQ ID NO: 48
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<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
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<400> Ser Pro Gln Pro Leu Val Trp His Leu Lys Thr Glu
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<210> SEQ ID NO: 49
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<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
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<210> SEQ ID NO: 50
<211> 12
<212> Peptide
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<400> Trp Ala Leu Asp Asn Gly Tyr Arg Pro Val Thr Ser
<210> SEQ ID NO: 51
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<213> Synthetic peptide from rat TGB\beta1 type III receptor
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<210> SEQ ID NO: 52
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<213> Synthetic peptide from rat TGB\beta1 type III receptor
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<400> Gly Asp Glu Gly Glu Thr Ala Pro Leu Ser Arg Ala
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<213> Synthetic peptide from rat TGBβ1 type III receptor
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<210> SEQ ID NO: 54
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<212> Peptide
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<400> Leu Phe Leu Val Pro Ser Pro Gly Val Phe Ser Val
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<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
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<400> Leu Val Pro Ser Pro Gly Val Phe Ser Val Ala Glu
<210> SEQ ID NO: 56
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<210> SEQ ID NO: 57
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<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
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<400> Ser Arg Lys Lys Gly Ser Leu Lys Leu Pro Arg Cys
<210> SEQ ID NO: 58
<211> 12
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
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<400> Ser Leu Lys Leu Pro Arg Cys Val Thr Pro Asp Asp

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<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
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<400> Arg Cys Val Thr Pro Asp Asp Ala Cys Thr Ser Leu
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<210> SEQ ID NO: 60
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<400> Asp Asp Ala Cys Thr Ser Leu Asp Ala Thr Met Ile
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<210> SEQ ID NO: 61
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<213> Synthetic peptide from rat TGB\beta1 type III receptor
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<210> SEQ ID NO: 62
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<212> Peptide
<213> Synthetic peptide from rat TGB$\beta$1 type III receptor
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<210> SEQ ID NO: 64
<211> 12
<212> Peptide
<213> Synthetic peptide from rat TGB$1 type III receptor
<220> Domain: 747-758
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<400> Thr Phe Thr Lys Pro Leu Ala Val Leu Gln Val

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<213> Synthetic peptide from rat TGBβ1 type III receptor
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<210> SEQ ID NO: 68
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<210> SEQ ID NO: 69
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<220> Domain: 781-795
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<210> SEQ ID NO: 70
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<212> Peptide
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<220> Domain: 786-800
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<213> Synthetic peptide from rat TGB\beta1 type III receptor
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<210> SEQ ID NO: 73
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
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<210> SEQ ID NO: 74
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<210> SEQ ID NO: 78
<211> 15
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<213> Synthetic peptide from rat TGBB1 type III receptor
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<220> Domain: 80-94
<400> Gly Gln Arg Gln Arg Glu Val Thr Leu His Leu Asn Pro Ile Ala
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<210> SEQ ID NO: 81
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<213> Synthetic peptide from rat TGB\beta1 type III receptor
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<213> Synthetic peptide from rat TGBeta1 type III receptor
<220> Domain: 95-109
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<210> SEQ ID NO: 83

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<211> 15
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<213> Synthetic peptide from rat TGB\beta 1 type III receptor
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<210> SEQ ID NO: 86
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
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<210> SEQ ID NO: 87
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB$1 type III receptor
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<210> SEQ ID NO: 88
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta 1 type III receptor
<220> Domain: 125-139
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<210> SEQ ID NO: 90
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB$1 type III receptor
<220> Domain: 135-149
<400> Gly Ser Val Val Gln Phe Pro Ser Gly Asn Phe Ser Leu Thr Ala
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<210> SEQ ID NO: 91
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 140-154
<400> Phe Pro Ser Gly Asn Phe Ser Leu Thr Ala Glu Thr Glu Glu Arg
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<210> SEQ ID NO: 92
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
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<400> Phe Ser Leu Thr Ala Glu Thr Glu Glu Arg Asn Phe Pro Gln Glu
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<210> SEQ ID NO: 93
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 150-164
<400> Glu Thr Glu Glu Arg Asn Phe Pro Gln Glu Asn Glu His Leu Val
<210> SEQ ID NO: 94
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB$\beta$1 type III receptor
<220> Domain: 155-169
<400> Asn Phe Pro Gln Glu Asn Glu His Leu Val Arg Trp Ala Gln Lys
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<210> SEQ ID NO: 95
<211> 15
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<212> Peptide

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<220> Domain: 160-174
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                                                                  15
<210> SEQ ID NO: 96
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 165-179
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<210> SEQ ID NO: 97
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 170-184
<400> Glu Tyr Gly Ala Val Thr Ser Phe Thr Glu Leu Lys Ile Ala Arg
                                             10
<210> SEQ ID NO: 98
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<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 175-189
<400> Thr Ser Phe Thr Glu Leu Lys Ile Ala Arg Asn Ile Tyr Ile Lys
<210> SEQ ID NO: 99
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<40.0> Leu Lys Ile Ala Arg Asn Ile Tyr Ile Lys Val Gly Glu Asp Gln
<210> SEQ ID NO: 100
<211> 15
<212> Peptide
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<220> Domain: 185-199
<400> Asn Ile Tyr Ile Lys Val Gly Glu Asp Gln Val Phe Pro Pro Thr
                                            - 10
                                                                  15
<210> SEQ ID NO: 101
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB$\beta$1 type III receptor
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<220> Domain: 190-201 <400> Val Gly Glu Asp Gln Val Phe Pro Pro Thr Cys Asn Ile Gly Lys 10 <210> SEQ ID NO: 102 <211> 15 <212> Peptide <213> Synthetic peptide from rat TGBeta1 type III receptor <220> Domain: 195-209 <400> Val Phe Pro Pro Thr Cys Asn Ile Gly Lys Asn Phe Leu Ser Leu 10 <210> SEQ ID NO: 103 <211> 15 <212> Peptide <213> Synthetic peptide from rat TGBeta1 type III receptor <220> Domain: 200-214 <400> Cys Asn Ile Gly Lys Asn Phe Leu Ser Leu Asn Tyr Leu Ala Glu <210> SEQ ID NO: 104 <211> 15 <212> Peptide <213> Synthetic peptide from rat TGB β 1 type III receptor <220> Domain: 205-219 <400> Asn Phe Leu Ser Leu Asn Tyr Leu Ala Glu Tyr Leu Gln Pro Lys 10 <210> SEQ ID NO: 105 <211> 15 <212> Peptide <213> Synthetic peptide from rat TGB β 1 type III receptor <220> Domain: 210-224 <400> Asn Tyr Leu Ala Glu Tyr Leu Gln Pro Lys Ala Ala Glu Gly Cys 15 10 <210> SEQ ID NO: 106 <211> 15 <212> Peptide <213> Synthetic peptide from rat TGBeta1 type III receptor <220> Domain: 215-229 <400> Tyr Leu Gln Pro Lys Ala Ala Glu Gly Cys Val Leu Pro Ser Gln 10 <210> SEQ ID NO: 107 <211> 15 <212> Peptide <213> Synthetic peptide from rat TGB β 1 type III receptor <220> Domain: 220-234

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 <210> SEQ ID NO: 108
 <211> 15
 <212> Peptide
 <213> Synthetic peptide from rat TGB\beta1 type III receptor
 <220> Domain: 225-239
 <400> Val Leu Pro Ser Gln Pro His Glu Lys Glu Val His Ile Ile Glu
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 <210> SEQ ID NO: 109
 <211> 15
 <212> Peptide
 <213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 230-244
<400> Pro His Glu Lys Glu Val His Ile Ile Glu Leu Ile Thr Pro Ser
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                                                                  15
<210> SEQ ID NO: 110
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBeta1 type III receptor
<220> Domain: 235-249
<400> Val His Ile Ile Glu Leu Ile Thr Pro Ser Ser Asn Pro Tyr Ser
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                                                                  15
<210> SEQ ID NO: 111
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 240-254
<400> Leu Ile Thr Pro Ser Ser Asn Pro Tyr Ser Ala Phe Gln Val Asp
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<210> SEQ ID NO: 112
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 250-264
<400> Ala Phe Gln Val Asp Ile Ile Val Asp Ile Arg Pro Ala Gln Glu
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<210> SEQ ID NO: 113
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB$\beta$1 type III receptor
<220> Domain: 255-269
<400> Ile Ile Val Asp Ile Arg Pro Ala Gln Glu Asp Pro Glu Val Val
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5 10 15

<210> SEQ ID NO: 114 <211> 15 <212> Peptide <213> Synthetic peptide from rat TGBβ1 type III receptor <220> Domain: 260-274 <400> Arg Pro Ala Gln Glu Asp Pro Glu Val Lys Asn Leu Val Leu 1.0 <210> SEQ ID NO: 115 <211> 15 <212> Peptide <213> Synthetic peptide from rat TGBβ1 type III receptor <220> Domain: 265-279 <400> Asp Pro Glu Val Val Lys Asn Leu Val Leu Ile Leu Lys Cys Lys 5 . <210> SEQ ID NO: 116 <211> 15 <212> Peptide <213> Synthetic peptide from rat TGBβ1 type III receptor <220> Domain: 270-284 <400> Lys Asn Leu Val Leu Ile Leu Lys Cys Lys Ser Val Asn Trp 5 10 <210> SEQ ID NO: 117 <211> 15 <212> Peptide <213> Synthetic peptide from rat TGB β 1 type III receptor <220> Domain: 275-289 <400> Ile Leu Lys Cys Lys Lys Ser Val Asn Trp Val Ile Lys Ser Phe 5 10 15 <210> SEQ ID NO: 118 <211> 15 <212> Peptide <213> Synthetic peptide from rat TGB β 1 type III receptor <220> Domain: 280-294 <400> Lys Ser Val Asn Trp Val Ile Lys Ser Phe Asp Val Lys Gly Asn 5 <210> SEQ ID NO: 119 <211> 15 <212> Peptide <213> Synthetic peptide from rat $TGB\beta1$ type III receptor <220> Domain: 285-299

<400> Val Ile Lys Ser Phe Asp Val Lys Gly Asn Leu Lys Val Ile Ala

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<210> SEQ ID NO: 120
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 290-304
<400> Asp Val Lys Gly Asn Leu Lys Val Ile Ala Pro Asn Ser Ile Gly
                                                                  15
<210> SEQ ID NO: 121
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB$\beta$1 type III receptor
<220> Domain: 295-309
<400> Leu Lys Val Ile Ala Pro Asn Ser Ile Gly Phe Gly Lys Glu Ser
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<210> SEQ ID NO: 122
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 300-314
<400> Pro Asn Ser Ile Gly Phe Gly Lys Glu Ser Glu Arg Ser Met Thr
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<210> SEQ ID NO: 123
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 305-319
<400> Phe Gly Lys Glu Ser Glu Arg Ser Met Thr Met Thr Lys Leu Val
                                                                  15
<210> SEQ ID NO: 124
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBB1 type III receptor
<220> Domain: 310-324
<400> Glu Arg Ser Met Thr Met Thr Lys Leu Val Arg Asp Asp Ile Pro
                                             10
<210> SEQ ID NO: 125
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 325-329
<400> Met Thr Lys Leu Val Arg Asp Asp Ile Pro Ser Thr Gln Glu Asn
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                                                                 15
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<210> SEQ ID NO: 126
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBB1 type III receptor
<220> Domain: 320-334
<400> Arg Asp Asp Ile Pro Ser Thr Gln Glu Asn Leu Met Lys Trp Ala
<210> SEQ ID NO: 127
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB$\textit{\beta}$1 type III receptor
<220> Domain: 325-339
<400> Ser Thr Gln Glu Asn Leu Met Lys Trp Ala Leu Asp Asn Gly Tyr
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<210> SEQ ID NO: 128
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 330-344
<400> Leu Met Lys Trp Ala Leu Asp Asn Gly Tyr Arg Pro Val Thr Ser
<210> SEQ ID NO: 129
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 335-349
<400> Leu Asp Asn Gly Tyr Arg Pro Val Thr Ser Tyr Thr Met Ala Pro
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<210> SEQ ID NO: 130
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB$\textit{\beta}$1 type III receptor
<220> Domain: 340-354
<400> Arg Pro Val Thr Ser Tyr Thr Met Ala Pro Val Ala Asn Arg Phe
                                             10
<210> SEQ ID NO: 131
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 345-359
<400> Tyr Thr Met Ala Pro Val Ala Asn Arg Phe His Leu Arg Leu Glu
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<210> SEQ ID NO: 132
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 350-364
<223> Descripcion/Posicion
<400> Val Ala Asn Arg Phe His Leu Arg Leu Glu Asn Asn Glu Glu Met
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<210> SEQ ID NO: 133
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 355-369
<400> His Leu Arg Leu Glu Asn Asn Glu Glu Met Arg Asp Glu Glu Val
                         5
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<210> SEQ ID NO: 134
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 360-374
<400> Asn Asn Glu Glu Met Arg Asp Glu Glu Val His Thr Ile Pro Pro
                                            10
<210> SEQ ID NO: 135
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 365-369
<400> Arg Asp Glu Glu Val His Thr Ile Pro Pro Glu Leu Arg Ile Leu
                                            10
<210> SEQ ID NO: 136
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGBβ1 type III receptor
<220> Domain: 370-384
<400> His Thr Ile Pro Pro Glu Leu Arg Ile Leu Leu Asp Pro Asp His
                                             10
                         5
<210> SEQ ID NO: 137
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta 1 type III receptor
<220> Domain: 375-389
<400> Glu Leu Arg Ile Leu Leu Asp Pro Asp His Pro Pro Ala Leu Asp
                                                                  15
                                             10
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<210> SEQ ID NO: 138
 <211> 15
 <212> Peptide
 <213> Synthetic peptide from rat TGB\beta1 type III receptor
 <220> Domain: 380-394
 <400> Leu Asp Pro Asp His Pro Pro Ala Leu Asp Asn Pro Leu Phe Pro
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 <210> SEQ ID NO: 139
 <211> 15
 <212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 385-399
<400> Pro Pro Ala Leu Asp Asn Pro Leu Phe Pro Gly Glu Gly Ser Pro
<210> SEQ ID NO: 140
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 390-404
<400> Asn Pro Leu Phe Pro Gly Glu Gly Ser Pro Asn Gly Gly Leu Pro
<210> SEQ ID NO: 141
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 395-409
<400> Gly Glu Gly Ser Pro Asn Gly Gly Leu Pro Phe Pro Phe Pro Asp
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<210> SEQ ID NO: 142
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 400-414
<400> Asn Gly Gly Leu Pro Phe Pro Phe Pro Asp Ile Pro Arg Gly
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<210> SEQ ID NO: 143
<211> 15
<212> Peptide
<213> Synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 405-419
<400> Phe Pro Phe Pro Asp Ile Pro Arg Gly Trp Lys Glu Gly Glu
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<210> SEQ ID NO: 144

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<211> 12
<212> Peptide
<213> Modified synthetic peptide from rat TGB\beta1 type III receptor
<220> Domain: 731-742
<400> Thr Ser Leu Asp Ala Thr Met Ile Trp Asp Asp Asp
<210> SEQ ID NO: 145
<211> 11
<212> Peptide
<213> Modified synthetic peptide from rat TGB\beta 1 type III receptor
<220> Domain: 731-742
<400> Asp Asp Asp Ala Thr Met Ile Trp Thr Met Met
<210> SEQ ID NO: 146
<211> 7
<212> Peptide
<213> Modified synthetic peptide from rat TGB\beta 1 type III receptor
<220> Domain: 734-740
<400> Asp Ala Thr Met Ile Trp Asp
<210> SEQ ID NO: 147
<211> 9
<212> Peptide
<213> Modified synthetic peptide from rat TGB\beta 1 type III receptor
<220> Domain: 731-739
<400> Thr Ser Leu Asp Ala Thr Thr Met Met
<210> SEQ ID NO: 148
<211> 18
<212> Peptide
<213> synthetic peptide from rat TGB$1 type II receptor
<220> Domain: 84-101
<400> Cys Val Ala Val Trp Arg Lys Asn Asp Glu Asn Ile Thr Leu Glu Thr Val
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                                             10
                                                                  15
Cys
<210> SEQ ID NO: 149
<211> 19
<212> Peptide
<213> Synthetic peptide from human fetuin
<220> Domain: 114-132
<400> Cys Asp Phe Gln Leu Leu Lys Leu Asp Gly Lys Phe Ser Val Val Tyr Ala
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                                                                  15
Lys Cys
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<210> SEQ ID NO: 150
 <211> 18
 <212> Peptide
 <213> Synthetic peptide from rat fetuin
 <220> Domain: 114-132
 <400> Cys Asp Phe His Ile Leu Lys Gln Asp Gly Gln Phe Arg Val Cys His Ala
 Gln Cys
 <210> SEQ ID NO: 151
 <211> 18
<212> Peptide
<213> Synthetic peptide from sheep fetuin
<220> Domain: 114-132
<400> Cys Asp Ile His Val Leu Lys Gln Asp Gly Phe Ser Val Leu Phe Thr Lys
                                            10
Cys Asp
<210> SEQ ID NO: 152
<211> 15
<212> Peptide
<213> Synthetic peptide from pig endoglin
<220> Domain: 289-303
<400> Val Asn Leu Pro Asp Thr Arg Gln Gly Leu Leu Glu Glu Ala Arg
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<210> SEQ ID NO: 153
<211> 15
<212> Peptide
<213> Synthetic peptide from pig endoglin
<220> Domain: 481-495
<400> Pro Ser Ile Pro Glu Leu Met Thr Gln Leu Asp Ser Cys Gln Leu
<210> SEQ ID NO: 154
<211> 15
<212> Peptide
<213> Synthetic peptide from pig endoglin
<220> Domain: 479-493
<400> Met Ser Pro Ser Ile Pro Glu Leu Met Thr Gln Leu Asp Ser Cys
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<210> SEQ ID NO: 155
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
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<220> Domain: 13-24
<400> Leu Leu Leu Val Leu Leu Pro Thr Asp Ala Ser
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<210> SEQ ID NO: 156
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 20-31
<400> Pro Thr Asp Ala Ser Val Ser Gly Lys Pro Gln Tyr
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<210> SEQ ID NO: 157
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 44-55
<400> Thr Glu Lys Gly Cys Val Leu Leu Ser Tyr Leu Asn
<210> SEQ ID NO: 158
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 166-177
<400> Tyr Ile Gln Asp Pro Lys Gly Asn Arg Ile Ala Gln
<210> SEQ ID NO: 159
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 192-203
<400> Phe Pro Leu Ser Ser Glu Pro Phe Gln Gly Ser Tyr
<210> SEQ ID NO: 160
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 247-258
<400> Asn Val Ser Val Cys Gly Leu Tyr Thr Tyr Gly Lys
<210> SEQ ID NO: 161
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 248-259
<400> Val Ser Val Cys Gly Leu Tyr Thr Tyr Gly Lys Pro
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<210> SEQ ID NO: 162
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<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 250-261
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<210> SEQ ID NO: 163
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 267-278
<400> Ser Ile Cys Arg Lys Tyr Ser Asp Ala Ser Asp Cys
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<210> SEQ ID NO: 164
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 469-480
<400> Pro Cys Gly His Thr Gln Thr Val Gln Ala His Tyr
<210> SEQ ID NO: 165
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 554-565
<400> Asp Ser Ala Lys Tyr Asp Val Glu Asn Cys Leu Ala
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<210> SEQ ID NO: 167
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 790-801
<400> Gln Pro Phe Phe Val Glu Leu Thr Met Pro Tyr Ser
                        5
                                            10
<210> SEQ ID NO: 168
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 827-838
<400> Gln Leu Glu Ala Ser Pro Ala Phe Leu Ala Val Pro
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<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 825-836
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<210> SEQ ID NO: 170
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 876-887
<400> Ala Leu Glu Ser Gln Glu Leu Cys Gly Thr Glu Val
<210> SEQ ID NO: 171
<211> 11
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1001-1012
<400> Lys Ser Lys Ile Gly Tyr Leu Asn Thr Gly Tyr
<210> SEQ ID NO: 172
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1005-1016
<400> Ile Gly Tyr Leu Asn Thr Gly Tyr Gln Arg Gln Leu
<210> SEQ ID NO: 173
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1162-1173
<400> Lys Arg Lys Glu Val Leu Lys Ser Leu Asn Glu Glu
<210> SEQ ID NO: 174
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1193-1204
<400> Val Gly His Phe Tyr Glu Pro Gln Ala Pro Ser Ala
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<210> SEQ ID NO: 175

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<211> 12
 <212> Peptide
 <213> Synthetic peptide from human alpha 2 microglobulin
 <220> Domain: 1209-1220
<400> Thr Ser Tyr Val Leu Leu Ala Tyr Leu Thr Gln Ala
<210> SEQ ID NO: 176
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1211-1222
<400> Tyr Val Leu Leu Ala Tyr Leu Thr Ala Gln Pro Ala
<210> SEQ ID NO: 177
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
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<400> Val Ala Leu His Ala Leu Ser Lys Tyr Gly Ala Ala
<210> SEQ ID NO: 178
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
<220> Domain: 1232-1243
<400> Tyr Gly Arg Asn Gln Gly Asn Thr Trp Leu Thr Ala
<210> SEQ ID NO: 179
<211> 12
<212> Peptide
<213> Synthetic peptide from human alpha 2 microglobulin
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<400> Arg Asn Gln Gly Asn Thr Trp Leu Thr Ala Phe Val

<220> Domain: 1234-1245